

Patent Abstracts of Japan

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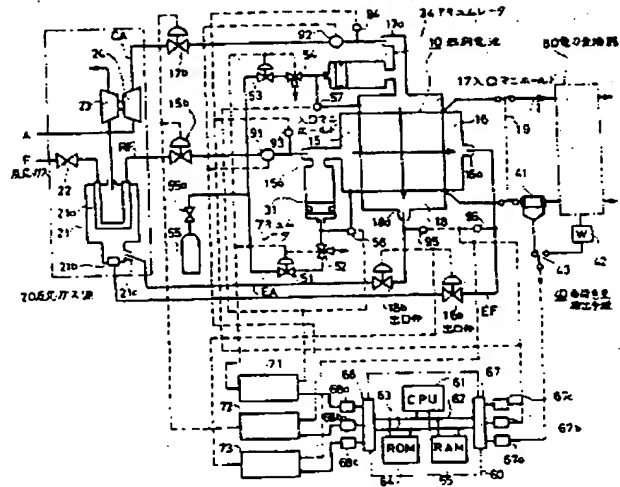
APPLICATION DATE : 14-09-84
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APPLICANT : FUJI ELECTRIC CO LTD;

INVENTOR : GOTO HEISHIRO;

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TITLE : FEEDER FOR REACTION GAS FOR
FUEL CELL



ABSTRACT : PURPOSE: To prevent reaction gas from being delayed in feeding thereof by providing an accumulator for the reaction gas controlled in its amount of accumulation by making use of a rapid change of electrode load, and additionally employing the accumulated gas in the rapid change of the load.

CONSTITUTION: Accumulators 31, 32 are provided respectively in the vicinities of inlets 15, 17 for fuel gas and oxidized gas, in which gas of the same pressure as that of reaction gas at portions of said inlets is accumulated by a volume partitioned by an internal free piston operatable by pressure of inactive gas. A rapid change of a cell load is detected by any of a cell current detector 41 or an AC power detector 42, and a detection output is supplied to a computer 60 and processed, whereby the free piston is operated via an accumulator regulator 71, and thus a prescribed amount of the reaction gas stored in the accumulator is added to the reaction gas supplied via respective reaction gas piping systems, and supplied.

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